















BCP Ingredients Plant



Compliance Evaluation Inspection

Direction: North

Photo inside Building V-26 facing north from the mid-facility wall showing (from back to front) the kiln, hammer mill, and cooler for choline chloride production

PHOTOGRAPHER

Jodi Harper

Photo 001

Date

06/07/2022



Compliance Evaluation Inspection

Direction: WSW

DESCRIPTION

Photo taken from mid-building door on east side of Building V25, facing west-southwest of the ethylene oxide repackaging warehouse (blurry)

Photo 002

Date

PHOTOGRAPHER Jodi Harper 06/07/2022



Compliance Evaluation Inspection

DESCRIPTION

Photo taken from mid-building door on east side of Building V25, facing west-southwest of the ethylene oxide repackaging warehouse

Date

Direction: WSW

PHOTOGRAPHER

Jodi Harper

Photo 003

Date



Compliance Evaluation	DESCRIPTION	Photo taken from mid-building door on east side of Building V25, facing	Photo 004
Inspection	BESCRI HOW	west-southwest of the ethylene oxide repackaging warehouse	Date
Direction: WSW	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking northwest from end of ethylene oxide railcar at rail offloading	Photo 005
Inspection		station T9A, where April 8, 2022 release occurred.	Date
Direction: Northwest	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking north-northeast from a point west of Tank T2, with a view of Tank T1. Tank T1 was in service at the time of the April 8, 2022,	Photo 006
Inspection	BESCHI HOIV	release, but at the time of inspection, was taken out of service.	Date
Direction: NNE	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking east-northeast from a point west of Tank T2 with a view of Tank T1. Tank T1 was in service at the time of the April 8, 2022 release, but	Photo 007
Inspection		has since been taken out of service.	Date
Direction: ENE	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking slightly north of west from underneath the covered area of	Photo 008
Inspection	BESCRI HON	the ball valve involved in the April 8, 2022 release.	Date
Direction: West	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking slightly west of north from under the covered area. Photo is of	Photo 009
Inspection		the ball valve involved in the April 8, 2022 release.	Date
Direction: North	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking slightly west of north from the base of the stairs to filling	Photo 010
Inspection	BESCRII HON	station T9, showing the video monitor for the railcar unloading process.	Date
Direction: North	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking east from a point south of the covered valve area, looking at	Photo 011
Inspection		Tank T2.	Date
Direction: East	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking east from a point about 10 feet closer to Tank T2 than in	Photo 012
Inspection	BESCKII HON	photo 011, above, of Tank T2.	Date
Direction: East	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking south from a point just north of the emergency shower, of the	Photo 013
Inspection		emergency shower at the railcar unloading station.	Date
Direction: South	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation Inspection	DESCRIPTION	Photo looking west from a point east of the emergency shower, of the emergency shower at the railcar unloading station. Facility personnel demonstrated that the emergency shower was operational.	Photo 014
			Date
Direction: West	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking southwest from a point along the rail spur at the temporary	Photo 015
Inspection		wastewater holding basin.	Date
Direction: Southwest	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking east from west of the trimethylamine storage tank of	Photo 016
Inspection	BESCRI HON	storage tank.	Date
Direction: East	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking northeast from southwest end of the trimethylamine storage	Photo 017
Inspection		tank of the spyglass, showing the tank fill level.	Date
Direction: Northeast	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation Inspection	DESCRIPTION	Photo looking south from southwest end of trimethylamine storage tank of the reactor vessel where trimethylamine, hydrochloric acid, and ethylene oxide are reacted to form (?)	Photo 018
			Date
Direction: South	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking southwest from intersection northeast of Building V25, showing exterior markings, safety systems, and piping for raw material	Photo 019
Inspection		delivery to the building.	Date
Direction: Southwest	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation Inspection	DESCRIPTION	Photo looking north from inside Building V10 at the choline chloride manufacturing equipment (blurry)	Photo 020
			Date
Direction: North	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation	DESCRIPTION	Photo looking north from inside Building V10 at the choline chloride	Photo 021
Inspection		manufacturing equipment.	Date
Direction: North	PHOTOGRAPHER	Jodi Harper	06/07/2022



Compliance Evaluation Inspection	DESCRIPTION	Photo looking at ethylene oxide sensor reading of equipment in Photo 021, above. Handheld monitors worn by EPA inspectors had alarmed, with readings above 2.0 ppm; the above monitor read 0.0 ppm.	Photo 022
	DESCRIPTION		Date
Direction: North	PHOTOGRAPHER	Jodi Harper	06/07/2022